## **Claims**

1. An endoscopic band ligator comprising:

an inner sleeve mountable over an endoscope shaft;

a middle sleeve longitudinal slidable relative to the inner sleeve and carrying at least one ligating band about its outer surface;

an outer sleeve slidable relative to the middle and inner sleeves and having projecting fingers to engage in discharging a ligating band from the middle sleeve.

- An endoscopic band ligator as defined in claim 1 wherein the middle sleeve further comprises at least one angle circumferential ridge formed on an exterior surface of the sleeve in which the at least one band can be seated.
- 3. An endoscopic band ligator as defined in claim 2 wherein the middle sleeve further comprises at least one longitudinal channel traversing the at least one circumferential ridge in which the projecting finger of the outer sleeve may slide.
  - 4. An endoscopic band ligator comprising:
    - a distal portion mountable on a distal end of an endoscope;
- a control wire sheath extending proximally from the distal portion and configured to be placed externally of an endoscope about which the distal portion is mounted: and

a control handle at a proximal end of the control wire sheath configured to be slidably mounted on the exterior of an endoscope shaft.

5. An endoscopic band ligator as defined in claim 4 wherein the control handle further comprises operator controls for actuating the band ligator distal portion.

- 6. An endoscopic band ligator as defined in claim 5 wherein the operator controls have distinct ranges of motion to indicate to the user corresponding action at the band ligator distal portion.
- 7. An endoscopic band ligator as defined in claim 6 where in the operator controls are in connection with force limiter that modulates the user's input forces to maintain acceptable non-destructive forces applied to the band ligator components.
- 8. An endoscopic band ligator as defined in claim7 where in the force limiter comprises a flexible arch that deflects under operational forces and releases engagement with the between the operator controls and the ligator components at a predetermined force level.
- 9. An endoscopic band ligator as defined in claim 4 wherein the distal portion further comprises inner, middle and outer coaxial sleeves longitudinally slidable relative to each other and a first operator control on the control handle is operable to move the middle and outer sleeves relative to the inner sleeve and a second operator control of a control handle operates to move the outer sleeve relative to the middle sleeve to discharge a ligating band.
- 10. A method of endoscopically applying ligating bands comprising: providing an endoscopic band ligator mounted on the distal end of an endoscope and being operated by a control handle slidably mounted on the endoscope shaft, navigating the ligator to an internal treatment site,

operating a first user control on the control handle to extend a vacuum chamber on the ligator,

introducing vacuum to the vacuum chamber to aspirate a section of tissue, manipulating a second user control to release a band onto the captured tissue.